



Volume XXVII, Number 4 Winter 2003 to offset new enemy capabilities. A time-based program is one solution to combat these problems. A time-based program is tailored to deliver a core capability to the warfighter in the near term and then add incremental capabilities in a time line defined by combatant commanders and their needs.

CJCSI 3170.01 spells out a top-down, capabilities-based framework for defining capabilities. The instruction also sets a standard for developing these capabilities. The Joint Capabilities Integration and Development System defines tasks and procedures to ensure warfighting needs are met.

The acquisition community can apply time-based requirements and time-phased programs in either a block upgrade approach or a capabilities-set upgrade cycle. Both systems deliver capability to the warfighter. The block upgrade approach is an existing system to add capability, one weapon system at a time. The capabilities-set approach combines weapon systems to achieve a capability for the combatant commander and then upgrades systems to capitalize on the synergy created by many assets, working together to achieve effects for the warfighter.

Time-based and time-phased programs apply the framework of CJCSI 3170 to bring capability to the warfighter more quickly. All actors in the acquisition process must participate fully in the system for it to be effective. New programs must include time in requirements documents, key performance parameters, and threshold and objective requirements to ensure the time to field a new or existing system upgrade is competed efficiently. This approach needs to start at the top of our requirements generation process and work its way through the defense establishment to assist in fulfilling our national military and security objectives.

Notes

- 1. Office of the Secretary of Defense. Memorandum for Secretaries of the Military Departments. Washington DC, 17 Sep 02.
- CJCSI 3170.01C, Joint Capabilities Integration and Development System draft, 20 Jan 03.
- J. S. Przemieniecki, Acquisition of Defense Systems, Washington DC, American Institute of Aeronautics and Astronautics, Inc, 1993.
- Maj Ross McNutt, "Project Portfolio Management," lecture, Air Command and Staff College, Maxwell AFB, Alabama, 11 Mar 03.
- 5. AFI 10-601, Mission Needs and Operational Requirements Guidance and Procedures, 13 Aug 99.
- 6. DoDD 5000.1, The Defense Acquisition System, Atch 1.
- 7. CJCSI 3170.01C.
- 8 Ihid
- 9. Ibid.
- 10. Ibid.
- Lt Col Jude Fernan, "Joint Requirements Oversight Council Joint Warfighting Capability Assessment Joint Requirements Determination," lecture, Air Command and Staff College, Maxwell AFB, Alabama, 2 Apr 03.
- 12. Ibid.
- 13. Maj Ross McNutt, personal papers and notes, 15 Mar 03.
- Headquarters US Air Force, PEM/AO Survival Guide, Washington DC [Online] Available: http://www.safaq.hq.af.mil/training/pemaosurvivalguide/.
- 15. Maj Ross McNutt, "Evolutionary Acquisition, Spiral Development and Time-Based Time-Phased Requirements," lecture, Air Command and Staff College, Maxwell AFB, Alabama, 4 Mar 03.
- Author's interviews with Larry Krussel, Langley AFB, Virginia, 24 Feb and 24 Mar 03.

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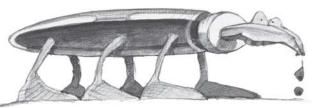
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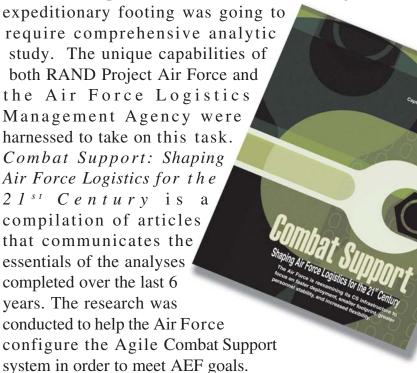
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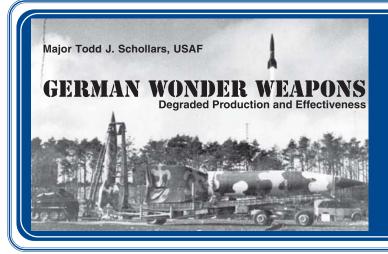
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